FILE 'HOME' ENTERED AT 09:12:09 ON 08 JAN 2007

=> file medline caplus embase biosis
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 09:12:34 ON 08 JAN 2007

FILE 'CAPLUS' ENTERED AT 09:12:34 ON 08 JAN 2007
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FILE 'EMBASE' ENTERED AT 09:12:34 ON 08 JAN 2007

FILE 'BIOSIS' ENTERED AT 09:12:34 ON 08 JAN 2007

=> s Kv6.2
L1 19 KV6.2

=> d uplicate remove l1
'UPLICATE' IS NOT A VALID FORMAT
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in at least one of the files. Refer to file specific help messages
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'DUPLICATE' IS NOT A VALID FORMAT
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L1 ANSWER 1 OF 19 MEDLINE on STN

ACCESSION NUMBER: 2004132278 MEDLINE <<LOGINID::20070108>>
DOCUMENT NUMBER: PubMed ID: 14988243
TITLE: Expression of voltage-gated potassium channels in human and rhesus pancreatic islets.
AUTHOR: Yan Lizhen; Figueroa David J; Austin Christopher P; Liu Yuan; Bugianesi Randal M; Slaughter Robert S; Kaczorowski Gregory J; Kohler Martin G
CORPORATE SOURCE: Department of Ion Channels, Merck Research Laboratories, Rahway, New Jersey, USA.. lizhen_yan@merck.com
SOURCE: Diabetes, (2004 Mar) Vol. 53, No. 3, pp. 597-607.
Journal code: 0372763. ISSN: 0012-1797.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200406
ENTRY DATE: Entered STN: 18 Mar 2004
Last Updated on STN: 9 Jun 2004
Entered Medline: 8 Jun 2004
AB Voltage-gated potassium channels (Kv channels) are involved in repolarization of excitable cells. In pancreatic beta-cells, prolongation of the action potential by block of delayed rectifier potassium channels would be expected to increase intracellular free calcium and to promote insulin release in a glucose-dependent manner. However, the specific Kv channel subtypes responsible for repolarization in beta-cells, most importantly in humans, are not completely resolved. In this study, we have investigated the expression of 26 subtypes from Kv subfamilies in human islet mRNA. The results of the RT-PCR analysis were extended by in situ hybridization and/or immunohistochemical analysis on sections from human or Rhesus pancreas. Cell-specific markers were used to show that Kv2.1, Kv3.2, ***Kv6*** . ***2*** , and Kv9.3 are expressed in beta-cells, that Kv3.1 and Kv6.1 are expressed in alpha-cells, and that Kv2.2 is expressed in delta-cells. This study suggests that more than one Kv channel subtype might contribute to the beta-cell delayed rectifier current and that this current could be formed by heterotetramers of active and silent subunits.

=> duplicate remove l1
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, EMBASE, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L1
L2 11 DUPLICATE REMOVE L1 (8 DUPLICATES REMOVED)

=> d 1- ibib,abs